

Converting Colors

XYZ(58.3184, 76.3794, 68.0411)

Have a look what the booklet for
XYZ(58.3184, 76.3794, 68.0411)
contains.

XYZ(58.3471, 76.4123, 68.1737)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.3471, 76.4123,
68.1737)**

Conversions

Conversions Part 1

Format	Color
Hex	A5F3CB
RGB	165, 243, 203
RGB Percent	65%, 95%, 80%
CMY	0.3529, 0.0470, 0.2039
CMYK	0.32, 0.00, 0.16, 0.05
HSL	149°, 76%, 80%
HSV	149°, 32%, 95%
XYZ	58.3471, 76.4123, 68.1737
YIQ	215.1180, -33.6480, -28.9760

Conversions

Conversions Part 2

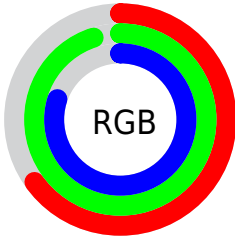
Format	Color
RYB	165, 217, 243
Decimal	10875851
CIELab	90.05, -32.17, 11.75
CIELCh	90, 34.248, 159.942
Yxy	76.4123, 0.2875, 0.3765
Android (android.graphics.Color)	4289065931 (0xFFA5F3CB)
YUV	215.1180, -5.9742, -43.9535
Hunter-Lab	87.4141, -33.8297, 14.9500

Details

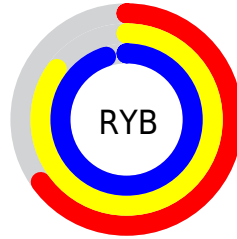
The XYZ color **58.3471, 76.4123, 68.1737** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.4393, 50.3745, 64.2457**, and the grayscale version is **64.7284, 68.0993, 74.1602**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **29.4141, 40.6027, 34.7206** is the 20% darker color. If you saturate the color by 10%, you get **52.3392, 73.4820, 60.4499**, and if you desaturate by 10%, it is **65.4389, 79.8917, 76.5748**.

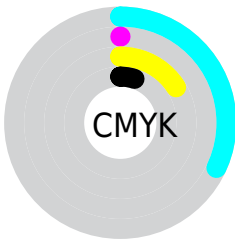
Distribution



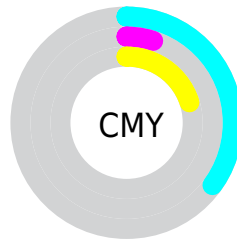
- Red (65%)
- Green (95%)
- Blue (80%)



- Red (65%)
- Yellow (85%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)




- Cyan (35%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3471, 76.4123, 68.1737 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 58.3471, 76.4123, 68.1737 by changing the saturation by 10% instead.


 58.3471, 76.4123,
68.1737


 58.3471, 76.4123,
68.1737


408.4111,
482.7579, 472.7260

 42.3321, 56.7707,
49.5715


 101.5482,
128.3095, 118.2572

 29.5537, 40.8211,
34.7042


 129.4650,
161.3339, 150.5755

 19.6464, 28.1793,
23.1534

162.0798,
199.5880, 188.3029

 12.2451, 18.4609,
14.5005

199.7580,
243.4562, 231.8581

 6.9842, 11.2814,
8.3269

242.8648,
293.3229, 281.6594

 3.4985, 6.2564,
4.2140


291.7657,


 1.4225, 3.0016,


349.5725, 338.1254


1.7435


346.8260,
412.5894, 401.6748


 0.2722, 1.1326,
0.3903


 0.0000, 0.0056,
0.0000

 58.3471, 76.4123,
68.1737


 58.3471, 76.4123,
68.1737

 52.3392, 73.4820,
60.4499


 65.4389, 79.8917,
76.5748


 47.3516, 71.0620,
53.3809

 73.6612, 83.9378,
85.6645

 43.3234, 69.1236,
46.9504

 83.0655, 88.5788,
95.4605

 40.1844, 67.6308,
41.1394

 90.9979, 92.4464,
105.8518

■ 37.8541, 66.5424,
35.9277

■ 91.3420, 92.5840,
107.6640

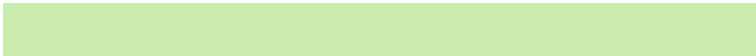
■ 36.2358, 65.8090,
31.2936

■ 35.3448, 65.4211,
28.0236

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6430, 76.4123, 52.2567



58.3471, 76.4123, 68.1737



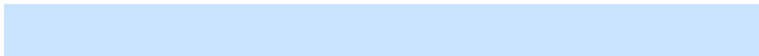
57.7057, 76.4123, 91.5361

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.3471, 76.4123, 68.1737



75.4828, 76.4123, 138.2685



85.8761, 76.4123, 56.6491

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58.3471, 76.4123, 68.1737



61.4393, 50.3745, 64.2457

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9228, 76.4123, 75.3861



58.3471, 76.4123, 68.1737



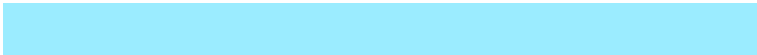
83.6204, 76.4123, 124.4383

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.3471, 76.4123, 68.1737



67.1715, 76.4123, 135.2968



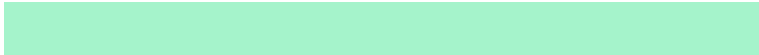
89.0665, 76.4123, 100.2864



78.3714, 76.4123, 46.5573

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.3471, 76.4123, 68.1737



59.3805, 76.4123, 108.7851



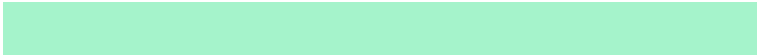
89.0665, 76.4123, 100.2864



87.7115, 76.4123, 61.9783

Sweetspot

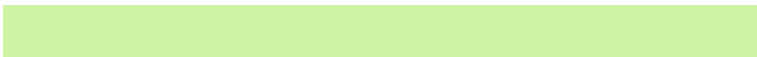
The Sweet Spot groups the original color and five complimentary colors.



58.3492, 76.4155, 68.1754



84.2483, 94.6665, 97.7756



64.1043, 79.8430, 47.6309



17.7309, 20.1138, 20.6071



0.0000, 0.0000, 0.0000



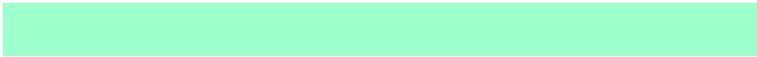
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.3492, 76.4155, 68.1754



60.2822, 82.9027, 69.9502



63.5522, 78.4966, 95.5739



16.6186, 18.6066, 19.2760



19.4653, 35.9310, 15.7359



1.7625, 3.1787, 1.6555

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



61.4393, 50.3745, 64.2457



64.2608, 49.3693, 64.8869



57.3300, 48.7308, 42.6062



16.8539, 16.6244, 18.9772



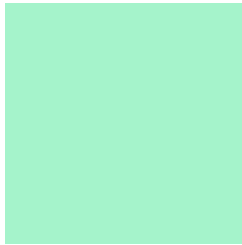
22.3729, 11.2926, 11.9381



2.0183, 1.0133, 1.3227

Previews

White Background



This preview shows how the XYZ color 58.3471, 76.4123, 68.1737 looks on a white background.

Color Contrast Check

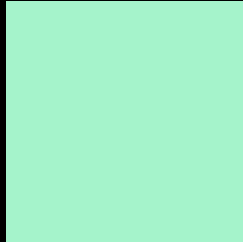
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 58.3471, 76.4123, 68.1737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.3471, 76.4123, 68.1737

Background



This preview shows how black text looks on a background with the XYZ color 58.3471, 76.4123, 68.1737.



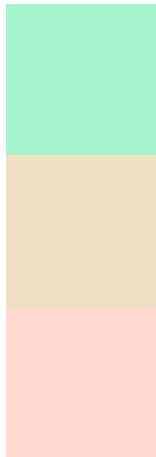
This preview shows how white text looks on a background with the XYZ color 58.3471, 76.4123,

68.1737.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58.3471, 76.4123, 68.1737

Protanopia

71.5879, 75.7500, 61.8871

Deuteranopia

77.3296, 75.7677, 70.2234



Tritanopia

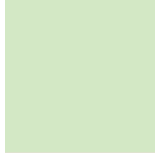
65.9499, 76.4410, 105.8864

Trichromacy



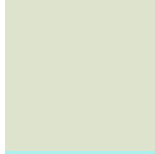
Original Color

58.3471, 76.4123, 68.1737



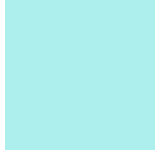
Protanomaly

65.7986, 75.5933, 63.9463



Deuteranomaly

68.7339, 74.9240, 69.2316



Tritanomaly

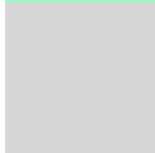
63.0201, 76.5598, 90.8129

Monochromacy



Original Color

58.3471, 76.4123, 68.1737



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.7090, 70.4239, 71.9688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3471, 76.4123, 68.1737 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(165, 243, 203)` looks like.

```
.text, #text, p{  
    color:rgb(165, 243, 203)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(165, 243, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 243, 203) }
```

Border

The CSS property to change the border of an element to XYZ 58.3471, 76.4123, 68.1737 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 243, 203) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(165, 243, 203) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(165, 243, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 243, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 243, 203);  
box-shadow:4px 4px 4px 4px rgb(165, 243,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3471, 76.4123, 68.1737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 243, 203) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(165,  
243, 203) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor